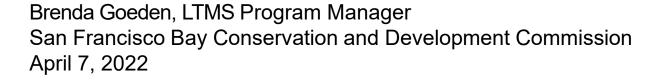
Oakland Federal Channel Beneficial Reuse Proposal







Problem: For several years, the USACE has disposed of clean dredged sediment from the Oakland Federal Channel, nearly 1 million cubic yards annually, at the Deep Ocean Disposal Site due to the "Federal Standard" "least cost" contracting requirement.

Potential Solution: Conduct a pilot project that allows 50% of the sediment be disposed of in the Bay in exchange for 50% beneficial reuse of the sediment from the Oakland Federal Channel. Examine the cost associated with the pilot to see if this approach can satisfy the "Federal Standard" requirement



4/7/2022

IMPORTANCE OF BENEFICIAL USE

- Approximately 2-3 million cubic yards of sediment is dredged from the Bay annually
- The region has significant need for sediment for habitat restoration and adaptation. The Sediment for Survival Report identified dredged sediment as an important contributor (SFEI Dusterhoff et al. 2021)
- Using dredged sediment to raise site elevations is an effective means to restore marshes
- Oakland federal navigation channel is consistently the largest dredging project in the region



PROPOSED PILOT PROJECT:

On a pilot basis, the USACE will solicit contractors to bid on a 50 percent In-Bay disposal and 50 percent beneficial use project for Oakland in 2022.

Examine bids and costs to determine if this is a feasible way to increase beneficial reuse for this project.



PROPOSAL DEVELOPMENT

Conducted bid analysis for the project in 2020-2021

- Beneficial reuse cost approximately 5% more than beneficial reuse in 2020 and 20% more in 2021
- In-Bay disposal was estimate to be approximately half the cost of beneficial reuse.

PROPOSAL CONSIDERATIONS

- LTMS In-Bay Disposal Target 1 Million cy annually averaged over three years
- Individual In-Bay disposal site limits must be maintained
- Other projects request same percentage



CONSIDERATIONS:

- LTMS In-Bay Disposal Target 1 Million cy annually averaged over three years
 - ✓ Not anticipated to exceed
 - ✓ At beginning of three-year averaging period
- Individual In-Bay disposal site limits must be maintained
 - ✓ May need to adjust disposal sites for this or other projects
- Other projects request same percentage
 - ✓ Already occurring
 - ✓ Other projects are not limited by "Federal Standard"
 - ✓ Maintain consistency with Bay Plan and other regulations
 - ✓ Allows re-evaluation of federal contracting constraints



NEXT STEPS

- 1. Memorandum of Understanding between LTMS agencies
- 2. BCDC Letter of Agreement amendment
- 3. Water Quality Certification/Waste Discharge amendment
- 4. Bid solicitation
- 5. Contract Award
- 6. Pilot Project



Commission Staff believes this pilot project can demonstrate a path to increased habitat restoration and beneficial reuse for USACE projects



QUESTIONS? THANK YOU



POTENTIAL COURSES OF ACTION EXAMINED

- 1. Single year split both in-bay/ beneficial reuse (BR) in same year
 - Alternative 1A Invitation for Bid (IFB) Single bid
 - Alternative 1B IFB Two alternate bids
 - Alternative 1C Request for Proposal (RFP)
- 2. Two-year split 100% of project to in bay disposal site and beneficial reuse in each over two years
 - Year 1 All beneficial reuse
 - Year 2 All in-bay

Commission staff determined Two-year Split would not be consistent with Bay Plan policies

